



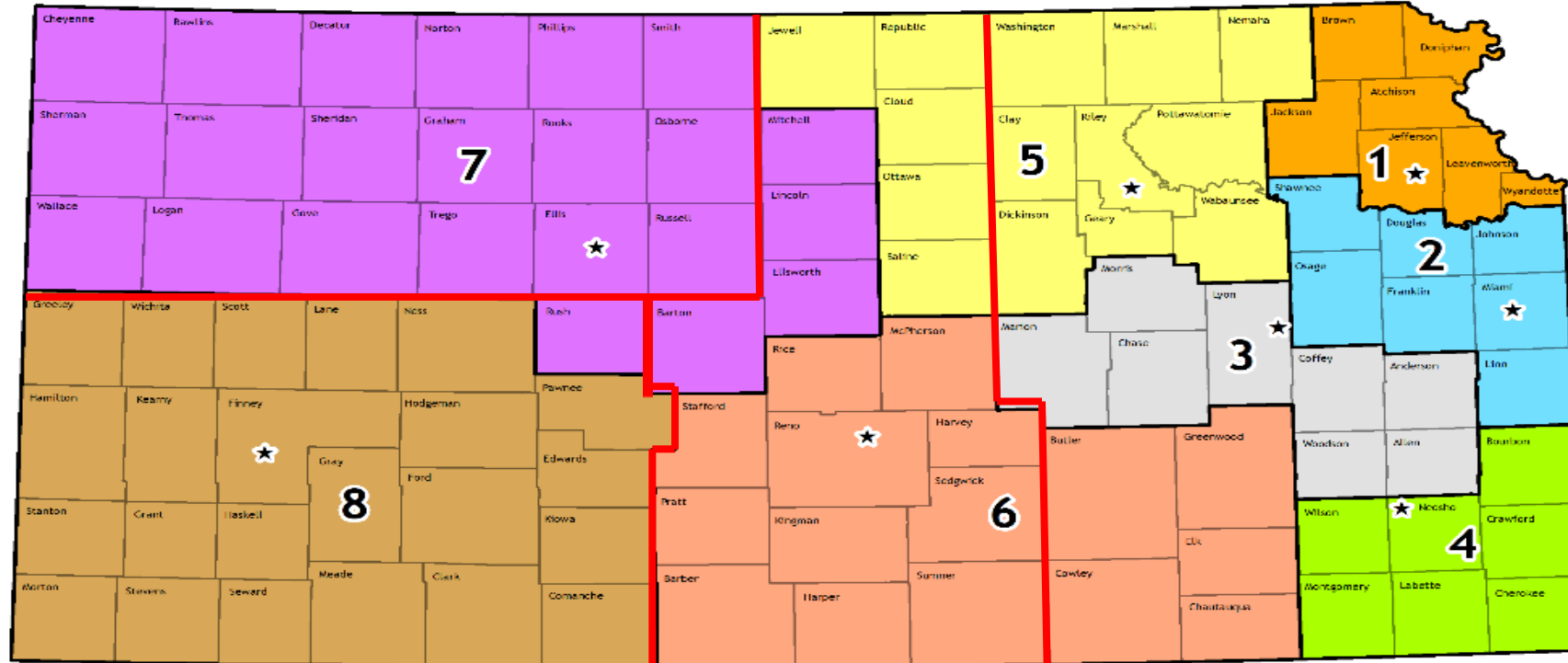
Kansas Forest Service 2018 Report

SCC Spring Workshops



- ☐ Fire Program Vision and Staff changes
- ☐ First 580 Streambank Shoreline Protection Practices through RCPP!!
- ☐ Interviews for Outreach Coordinator
- ☐ Water Quality Advocate Network
- ☐ Update on Arkansas River Restoration Project and Phase II
- ☐ Kansas Agroforestry Award and Forest Stewardship Tree Farmer of the Year
- ☐ Great Plains Windbreak Initiative Inventory
- ☐ About My Woods App Available!!

Kansas Forest Service Rural Forestry Districts



0 10 20 40 60 Miles

Rural District Forester

- | | |
|--------------------------------|-----------------------------|
| Carlson - dcarlson@ksu.edu | Rastok - rrastok@ksu.edu |
| Dhungel - kdhungel@ksu.edu | Rhodes - trhodes@ksu.edu |
| Freerksen - hfreerksen@ksu.edu | Seirer - jseirer@ksu.edu |
| Klempa - jdklempa@ksu.edu | Stiffarm - stiffarm@ksu.edu |



11/29/2016

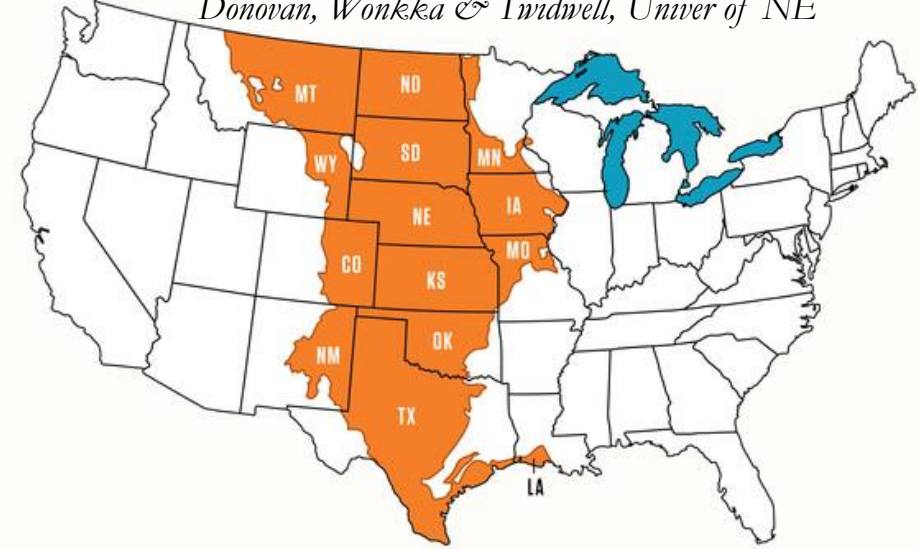
Fire Management Program



**Ross Hauck Retires as Fire Program
Section Leader**

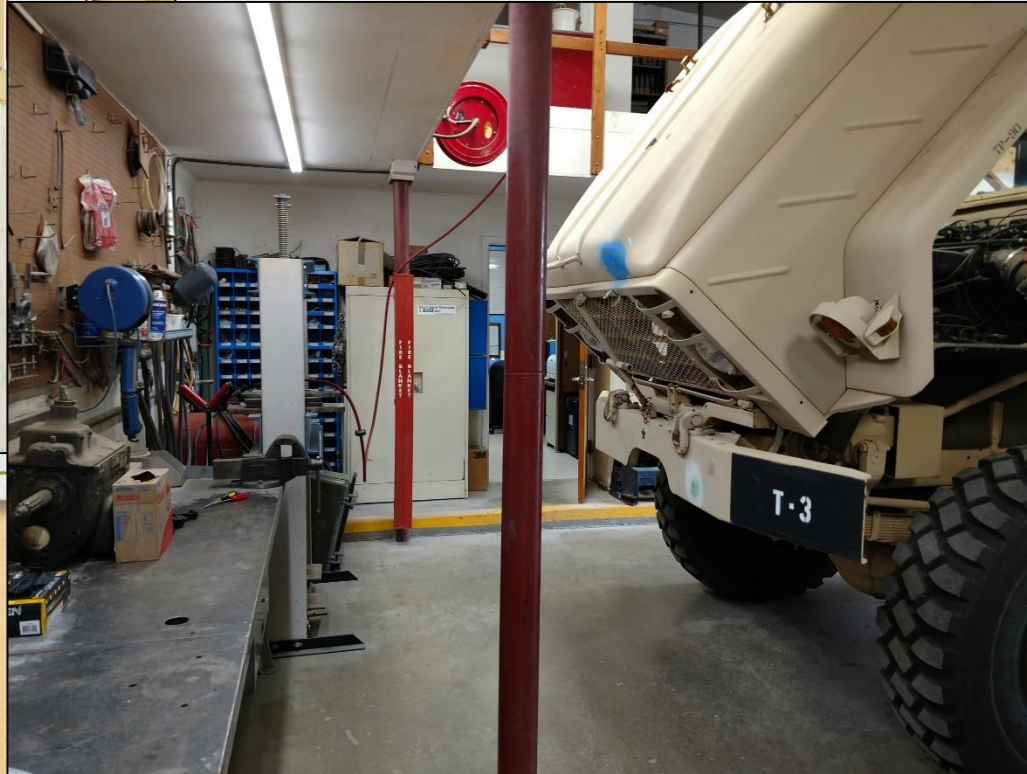
University of Nebraska Study Shows Dramatic Increase in Great Plains Fires

*Surging Wildfire Activity in a Grassland Biome, 6.16.2017
Donovan, Wonkka & Twidwell, Univer of NE*

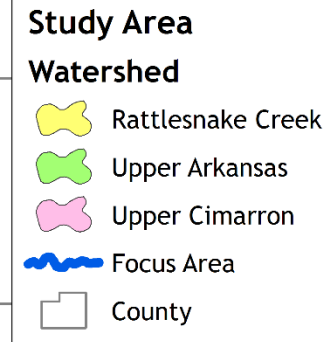
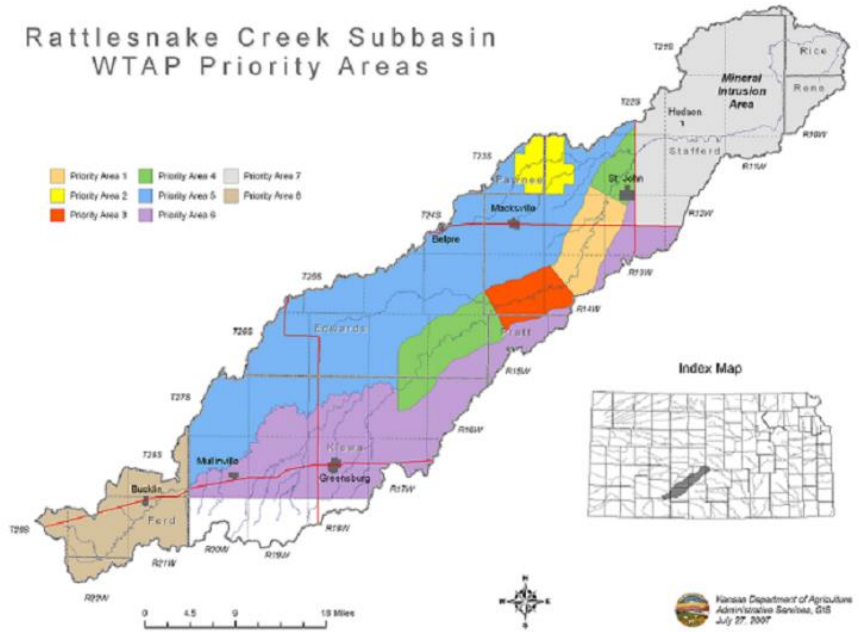
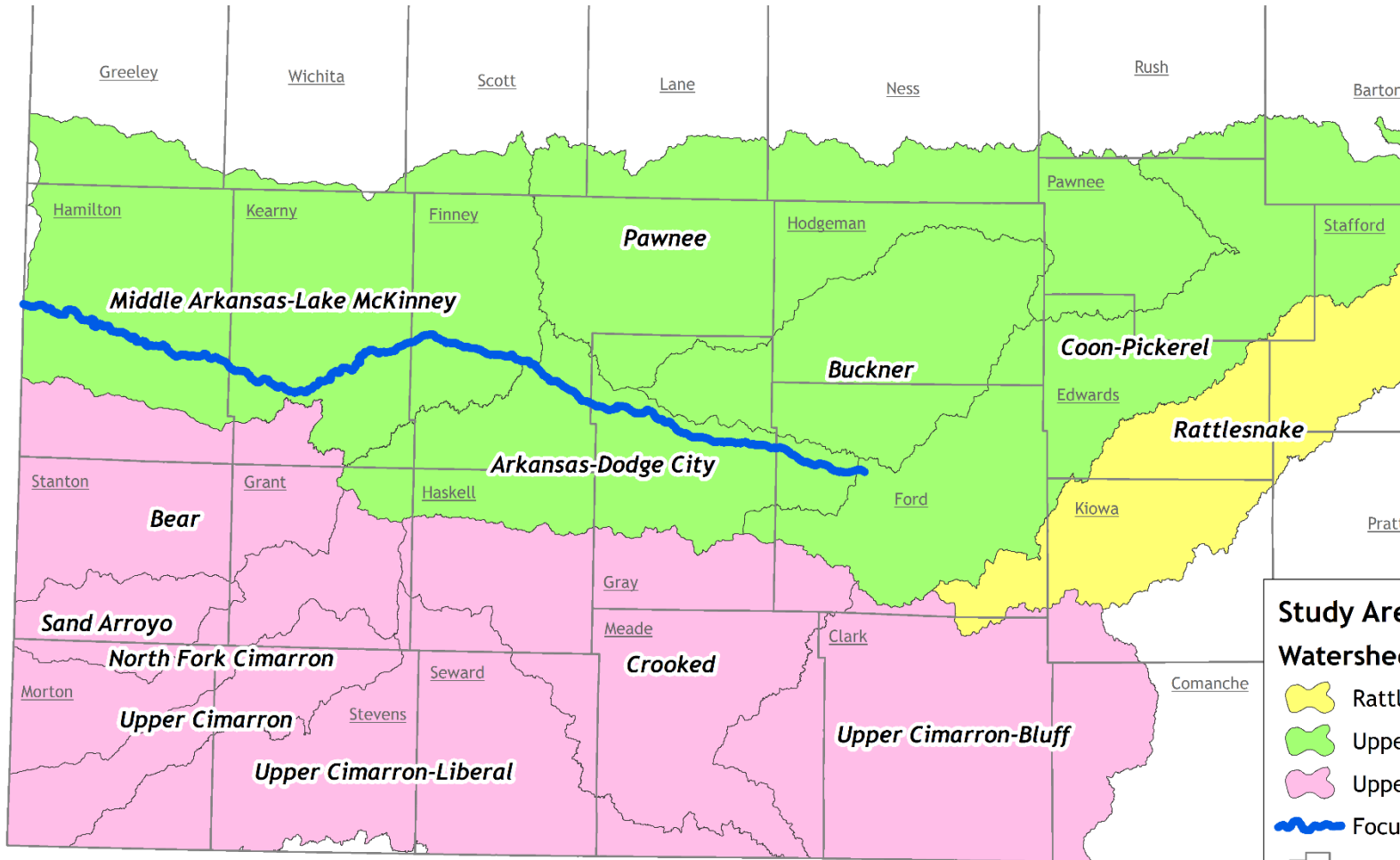


- Number of fires occurring each year has tripled in the Great Plains during the past three decades.
- average area of land annually burned by wildfire has grown by more than 400 percent, from thousands of acres per year between 1985 to 1994 to millions of acres per year from 2005 to 2014.
- Great Plains states have recorded some of their worst wildfire seasons on record during the past 10 to 15 years.
- KFS Fire Program Vision and State Audit

Current Building

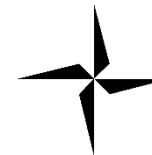


Arkansas River Restoration Grant Update



- ❑ Restores 3,000 acres on Ark River
- ❑ GIS Classifications
- ❑ Revises State-wide Action Plan
- ❑ Partners:
 - ✓ USFWS PFW
 - ✓ Tamarisk Coalition
 - ✓ KDA – DOC & PPWC
 - ✓ KWO – RACs
 - ✓ The Nature Conservancy – KS
 - ✓ KSRE – SW Area Center

July 2017- September 2021



Goals: 1) Restore 21 stream miles; 2) Remove 3,000 acres of tamarisk 3) Develop Plan
Accomplished: 1) Restored 20 stream mi./777 ac.; 2) Removed 4,032 ac. of tamarisk



Rattlesnake Creek Watershed Before – B bar B Ranch



Rattlesnake Creek Watershed After – B bar B Ranch

Phase II of Ark River Restoration Arrives this summer



Bill Darby
Rancher

Mike Disney
USFWS

"The Salt Cedar is invasive and not natural part of original plant community. It has been on this ranch for the 50 years that we have owned it. I am excited to see some of it under control. The amount of grass that that area can grow along the river that was inhabited by the Salt Cedar will definitely run some additional cattle. The sheer economics of it will pay for the spraying." **Bill Barby B bar B Ranch**



Overview

A \$550,000, USFS, State and Private Forestry grant awarded to state forestry agencies in North Dakota, South Dakota, Nebraska and Kansas in 2016 to establish geospatial tree canopy layers in each state using 4-band National Agriculture Imagery Program (NAIP) photos. Thanks to USFS, Northern Research Station, Forest Inventory and Analysis, for the first time, states will be able to identify location and extent of windbreaks in each respective state. Each state receives \$123,400 with the exception of Kansas which receives \$179,800 to coordinate the project. The grant ends September 30, 2019.

In addition to the creation of geospatial tree canopy data the project will accomplish the following deliverables:

- ◆ Condition assessment of windbreaks
- ◆ Ecosystem service values of windbreaks
- ◆ Geospatial data of Wind Erodibility Index of 87 or higher for new windbreak establishment
- ◆ Risk assessment and estimates of economic impact of invasive species
- ◆ Targeted outreach plan using Tools for Engaging Landowners Effectively (TELE) to engage priority landowners in windbreak renovation, establishment and invasive species control
- ◆ A final report to be presented at the 2019 USFS/NRCS Two Chiefs Partnership Summit meeting

Windbreak Inventory

☐ Evaluate 10 windbreaks per county

1. Primary Function
2. GPS centerpoint or end point from road
3. Orientation
4. Tally the number of rows
5. Identify majority species for each row
6. Estimate Row height
7. Estimate windbreak density / porosity
8. Tree Function Condition
9. Tree Function Age

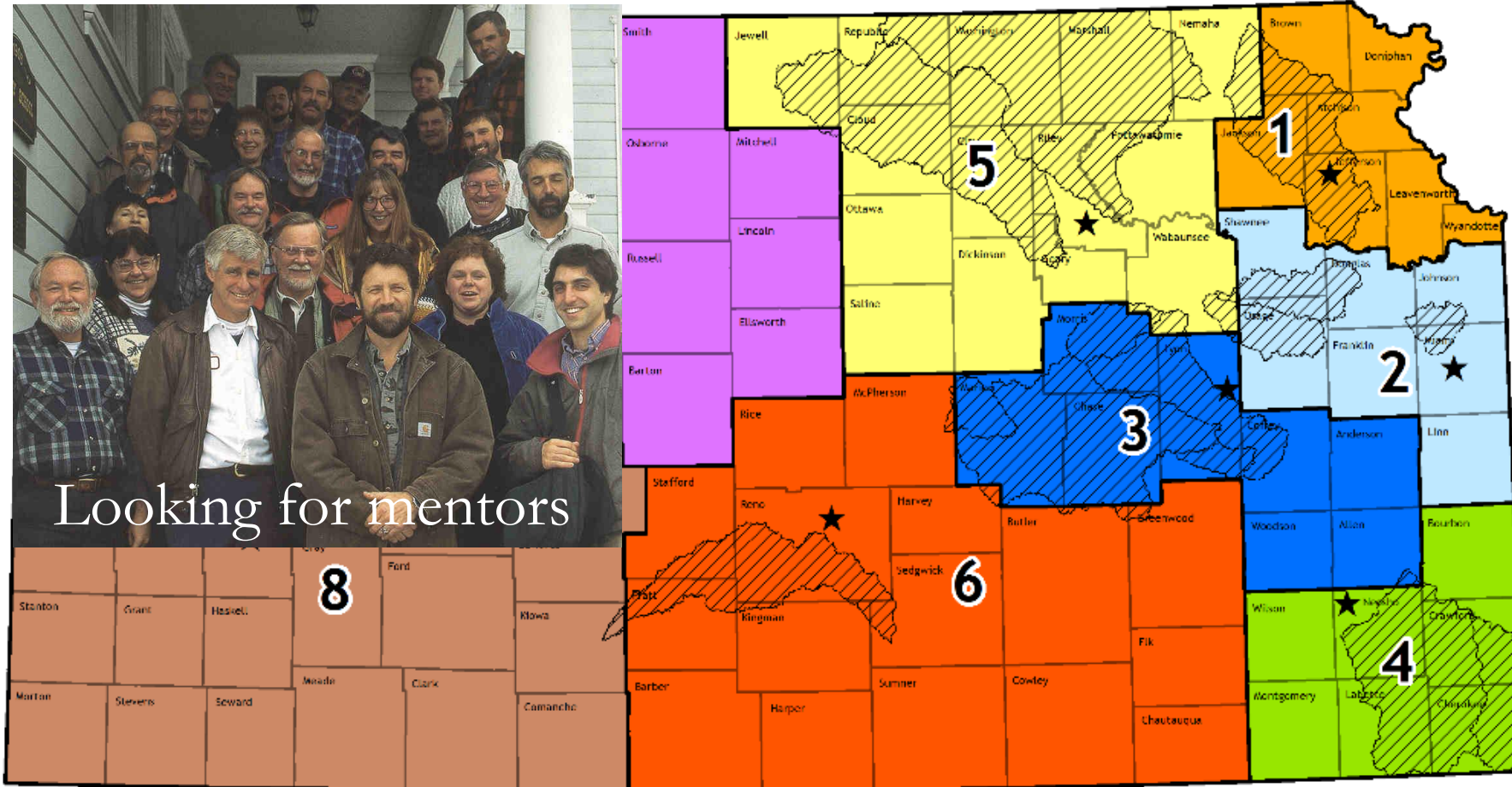
☐ Inventory 1 windbreak per county(10%)

Complete a 30 tree transect in each row:

1. Identify Species
2. Measure DBH
3. Estimate Height

Kansas Water Quality Advocate Network Grant

Interviews for Outreach Coordinator – March 6 and 16th – Housed at KDA-DOC



KS DOC, KACD and County Conservation Districts are Critical Partners!!

What it accomplishes...

- ☐ Fosters peer-to-peer promotion and learning
- ☐ Focused in KFS RCPP Watersheds
- ☐ Creates a network of trained advocates/mentors
- ☐ Develops target marketing approaches based on local focus groups
- ☐ Restores 3,400 acres of riparian forest
- ☐ Hires a coordinator for mentors/advocates
- ☐ Partners:
 - ✓ KSRE Communications
 - ✓ KS Rural Center
 - ✓ KS Forestry Association
 - ✓ KS Farmers Union
 - ✓ KS Alliance of Wetlands and Streams (KAWS)



HOME GOVERNANCE DISTRICTS COMMITTEES ENVIROTHON CONVENTION RESOURCES CONTACT US

73rd Annual Convention

November 19-21, 2017

DoubleTree by Hilton Hotel Wichita Airport

2017
Area Supervisor Award
Nomination Form

2017
Pat Lehman
Legacy Award

2017
Don Rezac
Memorial Award

2018
Tree Farmer of the Year
Award

2018
Agroforestry
Award

[KACD Convention Exhibitor Booths Info](#)

For seven decades, KACD has helped forge key partnerships among federal, state, and local entities all committed to a common goal: wise and efficient conservation practices to protect the state's natural resources. These partnerships have been highly effective and mutually beneficial, allowing for shared space, equipment, and knowledge.

Each year, the KACD convention offers breakout sessions and keynote speakers aimed at providing members with timely education and information. And as always, the annual convention provides an important opportunity for Kansas conservationists to network and share valuable stories about their own experiences.



2017 Agroforestry Award winners - Downard Family Farms
and

2017 Tree Farmer of the Year Award winner - Bill Kennedy
will be recognized at the 2017 KACD Convention

2017 Maximum Club
Members

Still taking award nominations through April 3rd!!

Go to:

<http://www.kacdnet.org/convention.html>
for nomination forms

FOREST STEWARDSHIP TREE FARMER OF THE YEAR AWARD 2018 NOMINATION FORM

KANSAS AGROFORESTRY AWARD 2018 NOMINATION FORM



Stream Stabilization



This northeast Kansas creek has migrated through the edge of its riparian forest. The landowner recognized that without the protection of tree roots, bank erosion was about to become a problem. He ensured short-term bank stability by anchoring large dead trees and live willow cuttings at the toe of the bank. Long-term bank stability will be maintained here by the several rows of hardwood trees he planted along the edge of the field.



**United States
Department of
Agriculture**

Natural Resources Conservation Service



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Manhattan, KS 66502
www.kansasforests.org

Phone: 785-532-3340
Fax: 785-532-3305
tindle@ksu.edu

Kansas State University, Kansas Forest Service and the USDA Natural Resources Conservation Service are equal opportunity providers and employers.

Eligible Practices and Rates*

A **partial listing** of practices and payment rates are listed below. These are the actual rates qualifying applicants receive.

| | |
|---|---------------|
| Streambank Stabilization (bioengineered) | \$19.34/LnFt |
| Streambank Stabilization (structural toewood, with bench) | \$87.50/LnFt |
| Channel Bed Stabilization (log and boulder check dam) | \$734.54/EA |
| Tree/Shrub Site Prep (mechanical) | \$56.74/AC |
| Tree/Shrub Site Prep (chemical) | \$154.47/AC |
| Riparian Forest Buffer | \$1,022.97/AC |
| Riparian Forest Buffer | \$1,397.21/AC |
| Riparian Forest Buffer (direct seeding of trees) | \$719.16/AC |
| Tree Planting | \$4.22/EA |
| Tree Planting | \$7.30/EA |
| Herbaceous Weed Control (herbicide within tree plantings) | \$40.91/AC |
| Herbaceous Weed Control | \$154.52/AC |
| Forest Stand Improvement (single stem treatment) | \$269.86/AC |

LnFt- linear feet; AC - acre ; EA - each

* Payment rates are the actual figures landowners receive based upon regional average costs. They are subject to change on a yearly basis.

Watershed Restoration and Protection Strategy (WRAPS) groups can offer additional funding for these projects, and may cover up to 90% of the costs for tree plantings. Visit with your local WRAPS group for more information.

Financial assistance
for managing
Kansas streams and
streamside forests

Trees for Clean Water



*Addressing water quality issues in
Kansas through the Regional
Conservation Partnership Program
(RCPP) and the Environmental
Quality Incentives Program (EQIP)*

Kansas Forest Service
785-532-3340

State NRCS Engineer Shawn
Sherraden assesses 580 RCPP Site